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**To: Donna Wildermuth
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Friday, February 24, 2006**


Case Serial Number: 10/780187

**From: Etelka R. Griffin
Location: EIC 3600
KNOX/4B68
Phone: 571-272-4230**

Etelka.griffin@uspto.gov

Search Notes

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335998 (09) 6347433 February 19, 2002

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6347433

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February 19, 2002

Flat panel display tilt and swivel mechanism

APPL-NO: 335998 (09)


FILED-DATE: June 18, 1999

GRANTED-DATE: February 19, 2002

CORE TERMS: flat, panel, display, washer, torque, column, shaft, hinge, hole, tilt ...

ENGLISH-ABST:

A hinge connects a first member to a second member. The hinge includes a connector constructed of a polymeric material secured to the first member. The connector is constructed from a polymeric material and has a generally flat connector surface, and a first axis. A support is rotatably connected to the connector about the first axis. The support is constructed of a metallic material and has first and second opposing generally flat support surfaces. The first generally flat support surface is biased against the connector surface. A friction piece constructed of a polymeric material is rotatably connected to the support about the first axis and is rotatably fixed to the connector. The friction piece is biased against the second generally flat support surface. A torque element has a first end including an open portion and a closed portion. The torque element has an elongated second end extending from the closed portion. The second end of the torque element is fixedly connected to the support. A shaft extends from the second member and is rotatable about a second axis. The shaft has first and second ends, the first end of the shaft being fixedly connected to the second member. The shaft is rotatably located within the first end of the torque element. The hinge further includes a first biasing element positioned between the shaft and the support which biases the shaft to rotate about the second axis in a first direction.

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Terms: **patno=6347433** ([Edit Search](#) | [Suggest Terms for My Search](#))

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Date/Time: Friday, February 24, 2006 - 9:01 AM EST

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1 / 1 PLUSPAT - @QUESTEL-ORBIT

Patent Number :

US6347433 B1 20020219 [US6347433]

Title :

(B1) Flat panel display tilt and swivel mechanism

Patent Assignee :

(B1) CEMA TECHNOLOGIES INC (US)

Patent Assignee :

CEMA Technologies, Inc., Bridgeport PA [US]

Inventor(s) :

(B1) LOWRY DAVID A (US); NOVIN EUGENE (US)

Application Nbr :

US33599899 19990618 [1999US-0335998]

Priority Details :

US33599899 19990618 [1999US-0335998]

Intl Patent Class :

(B1) A47F-001/24

EPO ECLA Class :

E05D-003/10

F16M-011/10

F16M-011/12

EPO ICO Class :

P05D-011/08D

US Patent Class :

ORIGINAL (O) : 016367000; CROSS-REFERENCE (X) : 016342000 248917000

Document Type :

Corresponding document

Citations :

US3322388; US4186905; US4630332; US4654671; US4744472; US5016849;

US5168423; US5195213; US5206790; US5211368; US5335142; US5608604;

US5752293; US5870280; US5873554; US5947440; US6082522; US6101676;

US6105919

Publication Stage :

(B1) U.S. Patent (no pre-grant pub.) after Jan. 2, 2001

Abstract :

A hinge connects a first member to a second member. The hinge includes a connector constructed of a polymeric material secured to the first member. The connector is constructed from a polymeric material and has a generally flat connector surface, and a first axis. A support is rotatably connected to the connector about the first axis. The support is constructed of a metallic material and has first and second opposing generally flat support surfaces. The first generally flat support surface is biased against the connector surface. A friction piece constructed of a polymeric material is rotatably connected to the support about the first axis and is rotatably fixed to the connector. The friction piece is biased against the second generally flat support surface. A torque element has a first end including an open portion and a closed portion. The torque element has an elongated second end extending from the closed portion. The second end of the torque element is fixedly connected to the support. A shaft extends from the second member and is rotatable about a second axis. The shaft has first and second ends, the first end of the shaft being fixedly connected to the second member. The shaft is rotatably located within the first end of the torque element. The hinge further includes a first biasing element positioned between the shaft and the support which biases the shaft to rotate about the second axis in a first direction.

Update Code :

2002-09

1 / 1 LGST - @EPO

Patent Number :

US6347433 B1 20020219 [US6347433]

Application Number :

US33599899 19990618 [1999US-0335998]

Action Taken :

19991022 US/AS-A

ASSIGNMENT

OWNER: CEMA TECHNOLOGIES, INC. BUILDING M7 55 FRONT STREE

ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:NOVIN, EUGENE;LOWRY, DAVID

A.;REEL/FRAME:010329/0658;SIGNING DATES FROM 19990920 TO 19991018

20040608 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 20040217

Update Code :

2004-25

1 / 1 CRXX - @CLAIMS/RRX

Patent Number :

6,347,433 A 20020219 [US6347433]

Patent Assignee :

CEMA Tech Inc

Actions :

20040217 REISSUE REQUESTED

ISSUE DATE OF O.G.: 20040608

REISSUE REQUEST NUMBER: 10/780187

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3626

Reissue Patent Number:

20051024 REASSIGNED

ASSIGNMENT OF ASSIGNORS INTEREST

Assignor: CEMA TECHNOLOGIES, INC., DATE SIGNED: 10/05/2005

Assignee: SOUTHCO, INC., 210 NORTH BRINTON LAKE ROAD, P.O. BOX 0116,
CONCORDVILLE, PENNSYLVANIA, 19331

Reel 017115/Frame 0634

Contact: OURMAZD S. OJAN, PAUL & PAUL, TWO THOUSAND MARKET STREET, SUITE
2900, PHILADELPHIA, PA 19103

1 / 1 INPADOC - @INPADOC

Patent Number :

US 6347433 BA 20020219 [US6347433]

Title :

FLAT PANEL DISPLAY TILT AND SWIVEL MECHANISM

Inventor(s) :

NOVIN EUGENE [US]; LOWRY DAVID A [US]

Patent Assignee (Words) :

CEMA TECHNOLOGIES INC [US]

Application Details :

US 335998/99-A 19990618 [1999US-0335998]

Priority Details :

US 335998/99-A 19990618 [1999US-0335998]

Intl. Patent Class. :
A47F-001/24

1 / 1 LGST - @EPO

Patent Number :
US6347433 B1 20020219 [US6347433]

Application Number :
US33599899 19990618 [1999US-0335998]

Action Taken :
19991022 US/AS-A
ASSIGNMENT
OWNER: CEMA TECHNOLOGIES, INC. BUILDING M7 55 FRONT STREE
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:NOVIN, EUGENE;LOWRY, DAVID
A.;REEL/FRAME:010329/0658;SIGNING DATES FROM 19990920 TO 19991018

20040608 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20040217

Update Code :
2004-25

Griffin, Etelka

From: Lawson, Wanda
Sent: Thursday, February 23, 2006 10:36 AM
To: Basker, Linda; Lay, Betsy (Chugach); Cole, Frances (Chugach); Felix, Dauntria; Green, Shirelle; Griffin, Etelka; Harmon, Rozenia; Harris, Sharon; Johnson, James; Nelson, Wanda; Newman, Martha; Owens, Gale; Patrick, Moses (Chugach); Porter, Gloria; Preddie, Juelethia; Russell, David OHR; Savoy, Debbie; Sealey, Lance (ASRC); Smith, Sharlene (Trawick); Vaughn, William; Walker, D'Aundre (Dee Dee); Wilder, Cynthia; Winston, Theresa
Subject: Bible Study - February 23, 2006

Therefore be imitators of God as dear children.
And walk in love, as Christ also has loved us
and given Himself for us, an offering and a
sacrifice to God for a sweet-smelling aroma.
Ephesians 5: 1-2 (NKJV)

Greeting in the name of Jesus,

Bible study will be held in the Remsen Building , room 4D44 at 1:00 p.m. If you have any questions or concerns please feel free to call or e-mail me.

If you know of others who would like to know about the Bible Study or would like to be removed from the list, please let us know.

NTPDSPDC@aol.com

God bless you,

*Wanda M. Lawson
U.S. Patent and Trademark Office
Legal Instrument Examiner
Art Unit 2611/C. Grant
(571) 272-7266
(571) 273-7266 Right Fax*



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